

IN THE SPECIFICATION:

Please add the following new paragraph after the last paragraph on page 2:

SUMMARY OF THE INVENTION

The current invention involves the method for increasing the depth discrimination of optically imaging systems. The method comprises the steps of: projecting a periodic structure in the object; detecting multiple structured images of the object with different phase angles of the projected structure; and generating optical sections by evaluation of the images with the N different phase angles by utilizing different equations.

Please replace the paragraph beginning on page 5, line 30 and continuing on page 6 with the following amended paragraph:

Figure 7a shows a side view of the mimic for adjusting the axial position of the grating and the adjustment of the angle of the plane-parallel plate. The axial position (height) of the structure (2) can be adjusted by means of a motor (4)-controlled eccentric (3). A galvanometer scanner (5) makes it possible to adjust the angle of the plane-parallel plate (1) by a rotating movement. The same arrangement is shown in a top view in Figure ~~4b~~ 7b.